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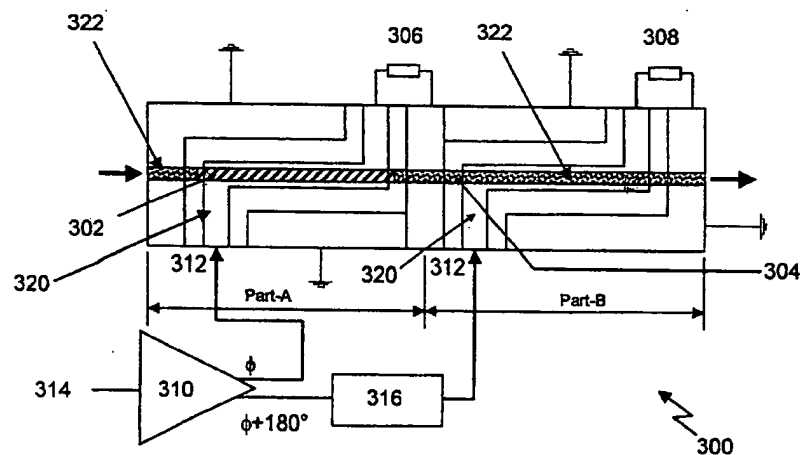
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(54) Title: ELECTROABSORPTION MODULATOR WITH TWO SECTIONS



(57) **Abstract:** The invention relates to an electroabsorption modulator (EAM) (300), comprising a first EAM section (302) optically coupled to a second EAM section (304), a transition wavelength in the electroabsorption (EA) spectrum of the first EAM section (302), at which absorption changes substantially, being different to a transition wavelength in the EA spectrum of the second EAM section (304). The EAM (300) compensates for chirp (which is caused by intrinsic absorption effects) by driving the two sections with a signal (312) generated from a common modulating signal (314). The driving signal (312) at the first EAM section (302) being preferably in anti-phase with the driving signal (312) at the second EAM section (304).